SCHEMATIC DIAGRAMS (1/7)

1 2 3 4 5 6

DVI IN

JK201
24P-DVI-CON

TXC-
TXC+
TXC_SHLD
TX5+
TX5-
TX0/5_SHLD
TX0+
TX0-
HP_DET
GND
+5V
TX3+
TX3-
TX1/3_SHLD
TX1+
TX1-
NC
DDC_DATA
DDC_CLK
TX4+
TX4-
TX2/4_SHLD
TX2+
TX2-

W201 R201 Ø
W202 R202 Ø

TR201 HN1K02FU
TR201 HN1K02FU
HR0HPD
R203 1K
R204 10K
R205 10K
C201 CK0.01

TR202 KRA102S
D201 KDS160
RL_201 RELAY(LE2-12VN-L1)
WP0
TR203 KRC102S
P0HPRMV1

R206 Ø
R207 Ø
W201A
W202A
R208 47K
R209 47K
EDIDSDA
EDIDSCL

D202 RB521S-30
D203 RB521S-30
R210 Ø
R211 10K
C202 CK0.1
IC201 BR24L02F
TR204 KRC104S
WP0

R214 470K
R212 Ø
C203 OPEN_C
C205 OPEN_C
TR205 HN1K02FU
R213 Ø
C204 OPEN_C
C206 OPEN_C
R215 470K

W205
M3-TER.SIDE-CU

HPDET
+5V
GND
DDCDATA
DDCCLK
NC
CE_Remote
CK-
CKshield
CK+
D0-
D0shield
D0+
D1-
D1shield
D1+
D2-
D2shield
D2+

W203 R216 Ø
W204 R217 Ø

TR206 HN1K02FU
TR206 HN1K02FU
HR1HPD
R218 1K
R219 10K
R220 10K
C207 CK0.01

TR207 KRA102S
D204 KDS160
RL_202 RELAY(LE2-12VN-L1)
WP1
TR208 KRC102S
P1HPRMV1

R221 Ø
R222 Ø
W203A
W204A
R223 47K
R224 47K
EDIDSDA
EDIDSCL

D205 RB521S-30
D206 RB521S-30
R226 10K
R225 Ø
C208 CK0.1
IC202 BR24L02F
TR209 KRC104S
WP1

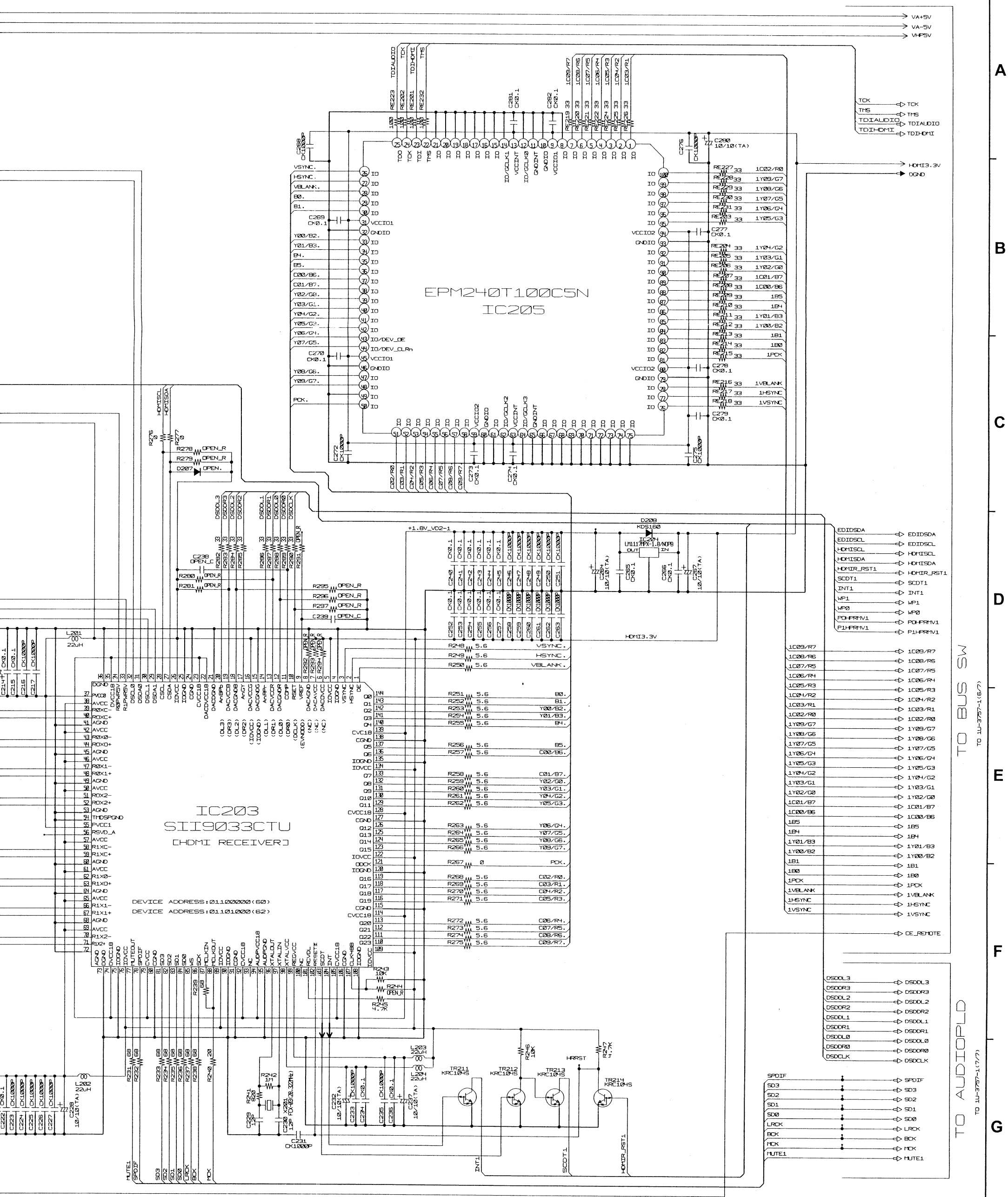
R230 470K
R227 Ø
C209 OPEN_C
C211 OPEN_C
TR210 HN1K02FU
R228 Ø
C210 OPEN_C
R229 470K
C212 OPEN_C

C213 10/10(TA)
C214 CK0.1
C215 CK0.1
C216 CK1000P
C217 CK1000P

C218 CK0.1
C219 CK0.1
C220 CK0.1
C221 CK0.1
C222 CK0.1
C223 CK1000P
C224 CK1000P
C225 CK1000P
C226 CK1000P
C227 CK1000P

JK202
19P-HDMI-CON

HDMI IN1

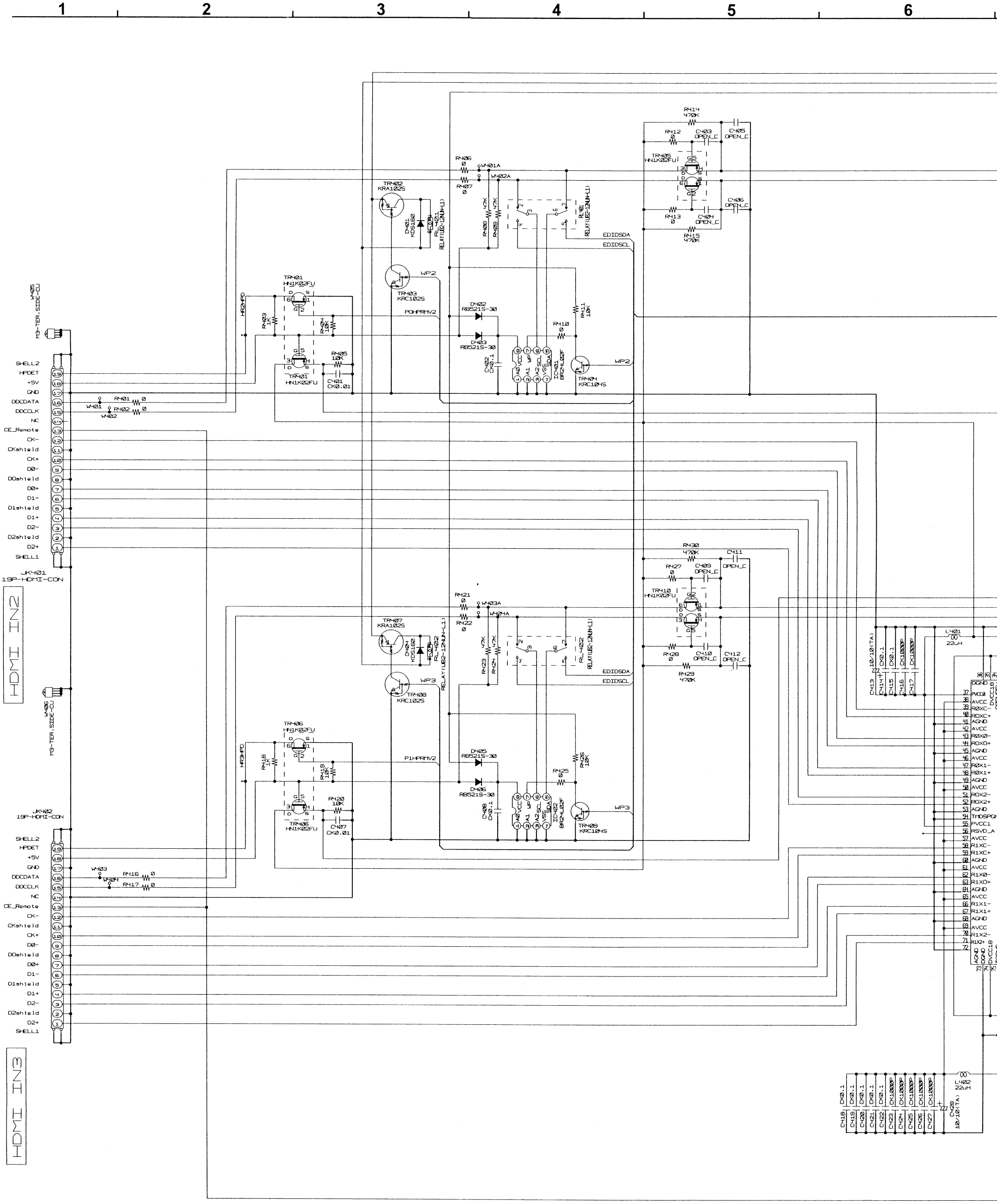


HDMI IN SECTION(1/2)

SCHEMATIC DIAGRAMS (1/7)

1U-3757 D.VIDEO UNIT (1/7)
HDMI IN SECTION(1/2)
(For ALL MODEL)

SCHEMATIC DIAGRAMS (2/7)



DENO -00455

DENON ORIGINAL ERSATZTEILE / ORIGINAL SPAREPARTS
Lagerort / Warehouse Location: E019B05I
Lieferschein-Nr / Delivery Note No: 0250441201
Menge / Quantity: 1
Ihre Ref. Nr. / Your Ref. No: 055896300
Datum / Date: 22.08.2006
Artikel / Article: SCHEMATIC DIAGRAM AVCA11XVA
SMAVCA11XVA

IC403
SII9033CTU
[HDMI RECEIVER]

DEVICE ADDRESS:01100010(62)
DEVICE ADDRESS:01101010(6A)

TO BUS SW
TO 1U-3757-1(6/7)

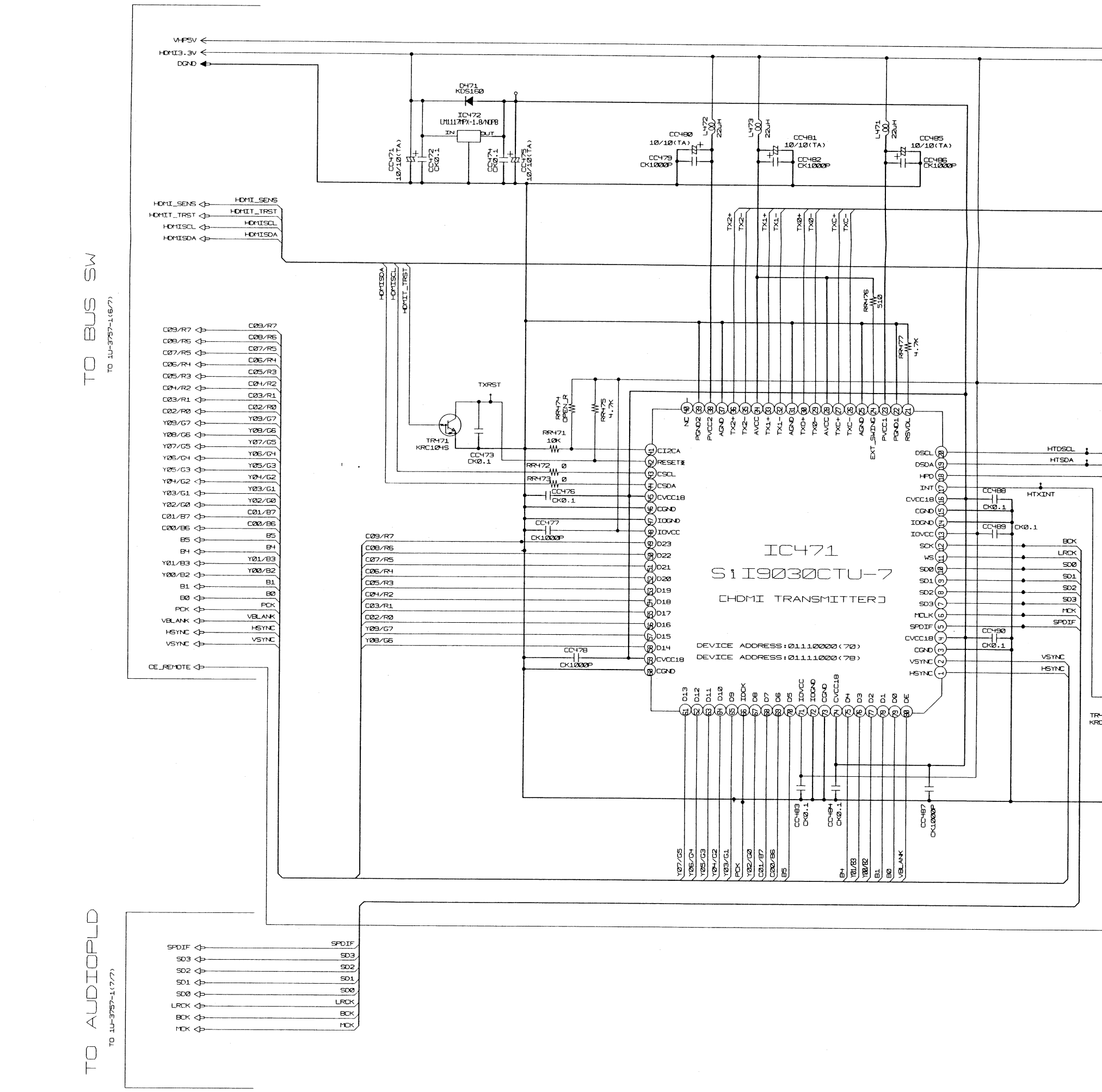
TO AUDIOPLD
TO 1U-3757-1(7/7)

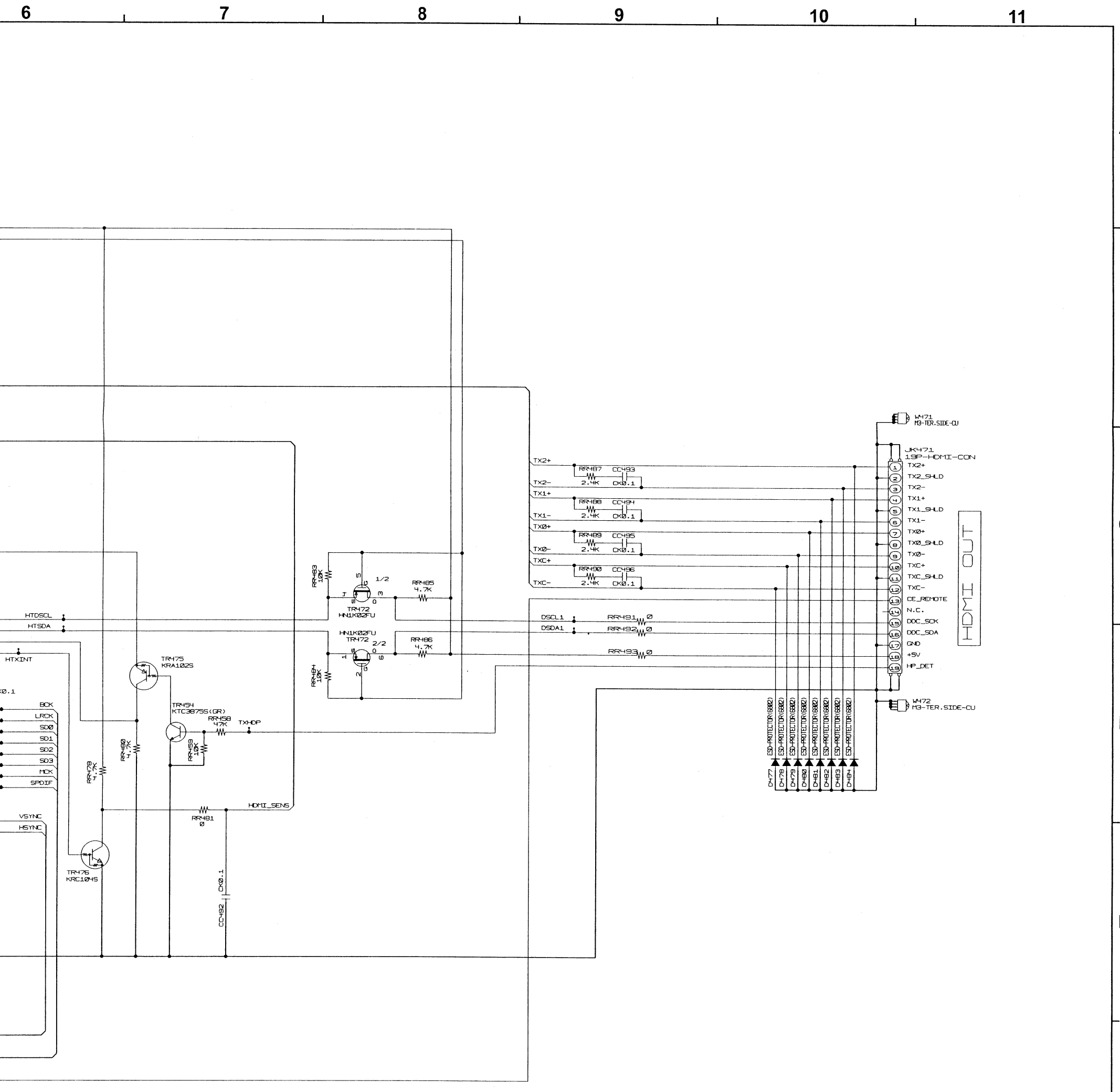
HDMI IN SECTION(2/2)

SCHEMATIC DIAGRAMS (2/7)

1U-3757 D.VIDEO UNIT (2/7)
HDMI IN SECTION(2/2)
(For ALL MODEL)

SCHEMATIC DIAGRAMS (3/7)





HDMI OUT SECTION(1/1)

SCHEMATIC DIAGRAMS (3/7)

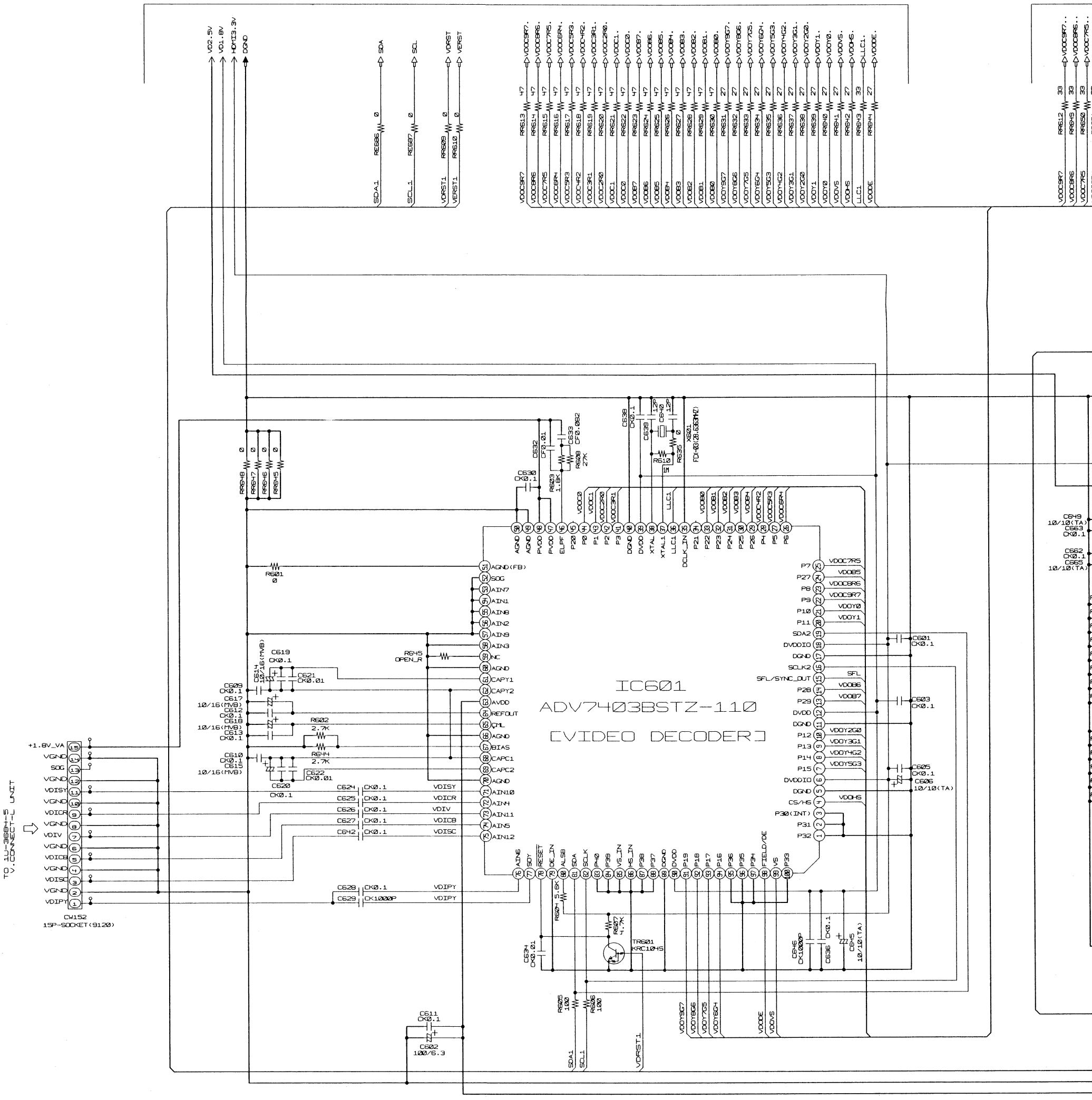
1U-3757 D.VIDEO UNIT (3/7)
HDMI OUT SECTION(1/1)
(For ALL MODEL)

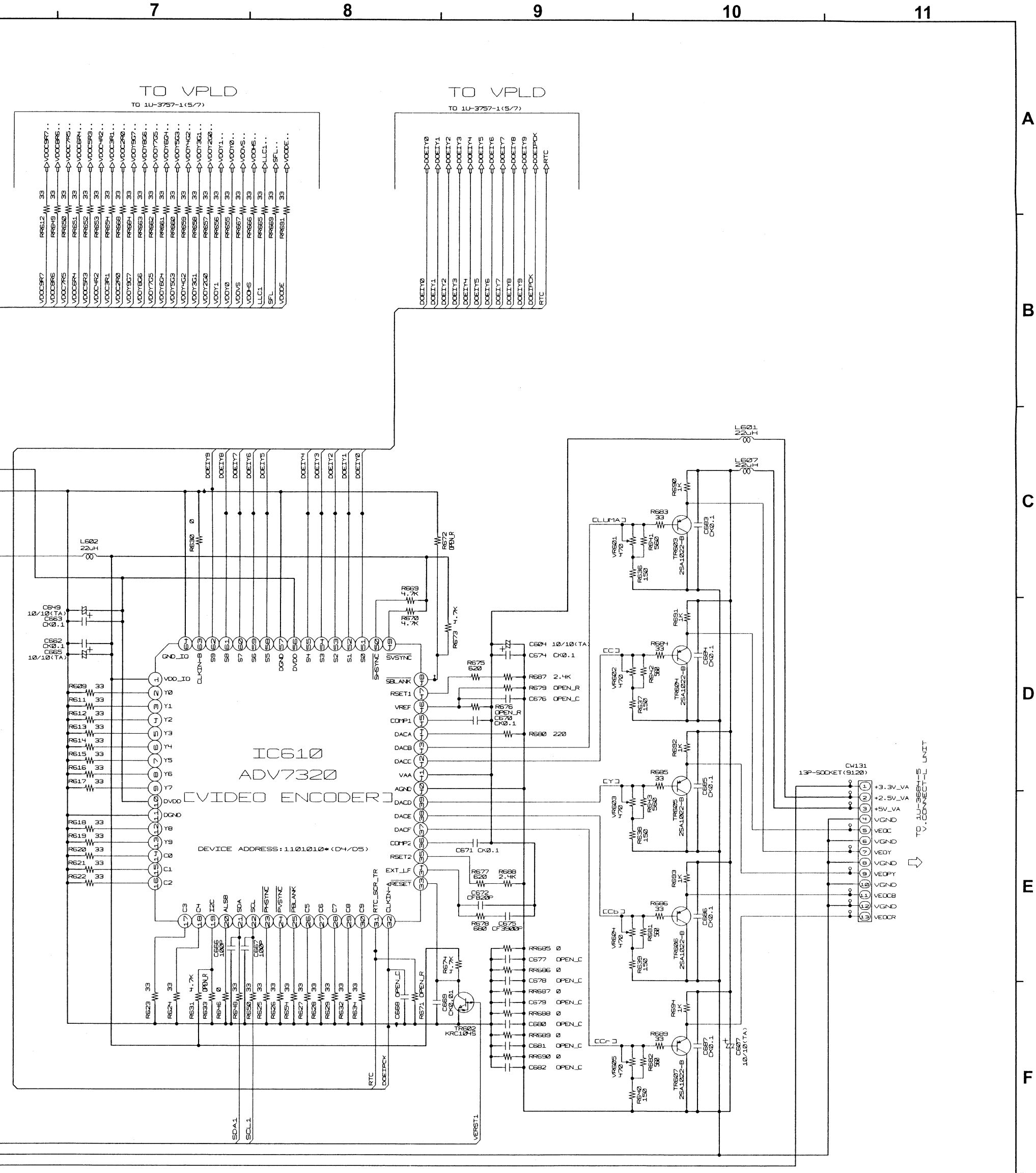
SCHEMATIC DIAGRAMS (4/7)

1 2 3 4 5 6

TO BUS SW

TO 1U-3757-1(6/7)





V. CONVERT SECTION(1/1)

SCHEMATIC DIAGRAMS (4/7)

1U-3757 D.VIDEO UNIT (4/7)
V.CONVERT SECTION(1/1)
(For ALL MODEL)

SCHEMATIC DIAGRAMS (5/7)

1 2 3 4 5 6

TO DECODER
TO 1U-3757-1(4/7)

TO ENCODER
TO 1U-3757-1(4/7)

IC754
EPM240T100C5N

DEVICE A

6 7 8 9 10 11

A B C D E F G H

TO BUS SW

TO 1U-3757-1(6/7)

IC751
FLI2310-LF-CF
IP CONVERTER

DEVICE ADDRESS:1100000*(C0/C1)

IC752
K4S643232H-TC60
(64M SD-RAM)

ST102
STYLE-PIN

CY751
5P-PH(SMT)

I/P CONVERT SECTION

SCHEMATIC DIAGRAMS (5/7)

1U-3757 D.VIDEO UNIT (5/7)
I/P CONVERT SECTION(1/1)
(For ALL MODEL)

SCHEMATIC DIAGRAMS (6/7)

1 2 3 4 5 6

TO AUDIOPLD
TO 1U-3757-1(7/7)

HDMI3.3V
DGND
DSDON
AMUTE
TCK
TMS
TDIAUDIO
TDIHDMI
TCK
TMS
TDO
TDIAUDIO
VA+5V
VA-5V
VHP5V
HDMI3.3V
DGND
EDIDSDA
EDIDSCL
HDMISCL
HDMISDA
HDMIR_RST1
SCDT1
INT1
WP1
WP0
POHPRMV1
P1HPRMV1
1C09/R7
1C08/R6
1C07/R5
1C06/R4
1C05/R3
1C04/R2
1C03/R1
1C02/R0
1Y09/G7
1Y08/G6
1Y07/G5
1Y06/G4
1Y05/G3
1Y04/G2
1Y03/G1
1Y02/G0
1C01/B7
1C00/B6
1B5
1B4
1Y01/B3
1Y00/B2
1B1
1B0
1PCK
1VBLANK
1HSYNC
1VSYNC
CE_REMOTE

TO HDMI IN1
TO 1U-3757-1(1/7)

VA+5V
VA-5V
VHP5V
HDMI3.3V
DGND
EDIDSDA
EDIDSCL
HDMISCL
HDMISDA
HDMIR_RST2
SCDT2
INT2
WP3
WP2
POHPRMV2
P1HPRMV2
2C09/R7
2C08/R6
2C07/R5
2C06/R4
2C05/R3
2C04/R2
2C03/R1
2C02/R0
2Y09/G7
2Y08/G6
2Y07/G5
2Y06/G4
2Y05/G3
2Y04/G2
2Y03/G1
2Y02/G0
2C01/B7
2C00/B6
2B5
2B4
2Y01/B3
2Y00/B2
2B1
2B0
2PCK
2VBLANK
2HSYNC
2VSYNC
CE_REMOTE

TO HDMI IN2
TO 1U-3757-1(2/7)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A	A1 DGND	A2 1C04/R2	A3 HDMI3.3V	A4 1C07/R5	A5 1C09/R7	A6 VDOY8G6.	A7 VDODE.	A8 VDOY5G3.	A9 VDOY2G0.	A10 VDOY1.	A11 VDOC8R6.	A12 VDOC6R4.	A13 VDOC4R2.	A14 HDMI3.3V	A15 VDOB0.
B	B1 1C03/R1	B2 DGND	B3 1C05/R3	B4 1C06/R4	B5 1C08/R6	B6 VDOY9G7.	B7 VDOY6G4.	B8 VDOHS.	B9 VDOY3G1.	B10 VDOB6.	B11 VDOC9R7.	B12 VDOC7R5.	B13 VDOC5R3.	B14 VDOB1.	B15 DGND
C	C1 HDMI3.3V	C2 1C02/R0	C3 1C00/B6	C4 1B5	C5 VSEL1	C6 VSEL0	C7 VDOY7G5.	C8 VDOVS.	C9 VDOY4G2.	C10 VDOB7.	C11 VDOY0.	C12 VDOB5.	C13 VDOB2.	C14 VDOC2R0.	C15 VDOC1.
D	D1 1Y08/G6	D2 1Y09/G7	D3 1B4	D4 1Y01/B3	D5 VSEL2	D6 NC4	D7 NC37	D8 NC19	D9 NC11	D10 NC14	D11 VDOB4.	D12 VDOB3.	D13 VDOC0.	D14	D15 IPOY9G7
E	E1 1Y06/G4	E2 1Y07/G5	E3 1Y00/B2	E4 1B1	E5 NC52	E6 NC44	E7 NC51	E8 NC3	E9 NC15	E10 NC50	E11 NC28	E12 NC40	E13	E14	E15 IPOY7G5
F	F1 1Y04/G2	F2 1Y05/G3	F3 1B0	F4 NC36	F5 NC27	F6 NC47	F7 NC31	F8 HDMI3.3V	F9 HDMI3.3V	F10 NC49	F11 NC5	F12 NC42	F13	F14 NC50	F15 IPOY5G3
G	G1 1Y02/G0	G2 1Y03/G1	G3 1C01/B7	G4 NC30	G5 NC26	G6 NC22	G7 DGND	G8 DGND	G9 DGND	G10 DGND	G11 NC43	G12 NC41	G13 NC20	G14	G15 IPOY3G1
H	H1 1VBLANK	H2 1HSYNC	H3 1VSYNC	H4 NC17	H5 1PCK	H6 HDMI3.3V	H7 DGND	H8 HDMI3.3V	H9 DGND	H10 HDMI3.3V	H11 HDMI3.3V	H12 LLC1.	H13 NC9	H14	H15 IPOY1R7
J	J1 2VSYNC	J2 2HSYNC	J3 2B0	J4 NC34	J5 2PCK	J6 HDMI3.3V	J7 HDMI3.3V	J8 DGND	J9 HDMI3.3V	J10 DGND	J11 HDMI3.3V	J12 IPOPCK	J13 NC46	J14	J15 IPOR5
K	K1 2VBLANK	K2 2Y09/G7	K3 2C02/R0	K4 NC10	K5 NC16	K6 NC23	K7 DGND	K8 DGND	K9 DGND	K10 DGND	K11 NC33	K12 NC24	K13 NC29	K14	K15 IPOR3
L	L1 2B1	L2 2Y00/B2	L3 2C03/R1	L4 2C04/R2	L5 NC1	L6 TDI	L7 NC12	L8 HDMI3.3V	L9 HDMI3.3V	L10 NC35	L11 NC39	L12 NC32	L13	L14	L15 IPOC9R1
M	M1 2Y01/B3	M2 2B4	M3 2C05/R3	M4 2C06/R4	M5 TDIVIDEO	M6 NC45	M7 NC7	M8 .C05/R3	M9 .C06/R4	M10 NC8	M11 NC18	M12 NC21	M13	M14	M15 IPOC7B7
N	N1 2B5	N2 2C00/B6	N3 2C07/R5	N4 TMS	N5 2C09/R7	N6 NC6	N7 NC48	N8 NC25	N9 NC13	N10 NC38	N11 NC2	N12 IPOVSYNC	N13 IPOC1B1	N14 IPOC2B2	N15 IPOC5B5
P	P1 HDMI3.3V	P2 2C01/B7	P3 TCK	P4 2C08/R6	P5 .PCK	P6 .C02/R0	P7 .C03/R1	P8 .C04/R2	P9 .C07/R5	P10 .C08/R6	P11 .C09/R7	P12 IPOHSYNC	P13 IPOVBLANK	P14 IPOC0B0	P15 IPOC3B3
R	R1 2Y02/G0	R2 DGND	R3 2Y04/G2	R4 2Y05/G3	R5 2Y07/G5	R6 .HSYNC	R7 .B0	R8 .Y00/B2	R9 .B4	R10 .C00/B6	R11 .Y02/G0	R12 .Y04/G2	R13 .Y06/G4	R14 .Y07/G5	R15 DGND
T	T1 DGND	T2 2Y03/G1	T3 HDMI3.3V	T4 2Y06/G4	T5 2Y08/G6	T6 .VSYNC	T7 .VBLANK	T8 .B1	T9 .Y01/B3	T10 .B5	T11 .C01/B7	T12 .Y03/G1	T13 .Y05/G3	T14 HDMI3.3V	T15 .Y08/G6

IC701 EPM570F256C5N TOP VIEW

VD2.5V
VD1.8V
HDMI3.3V
DGND
SDA
SCL
VDRST
VERST
VDOC9R7.
VDOC8R6.
VDOC7R5.
VDOC6R4.
VDOC5R3.
VDOC4R2.
VDOC3R1.
VDOC2R0.
VDOC1.
VDOC0.
VDOB7.
VDOB6.
VDOB5.
VDOB4.
VDOB3.
VDOB2.
VDOB1.
VDOB0.
VDOY9G7.
VDOY8G6.
VDOY7G5.
VDOY6G4.
VDOY5G3.
VDOY4G2.
VDOY3G1.
VDOY2G0.
VDOY1.
VDOY0.
VDOVS.
VDOHS.
LLC1.
VDODE.

TO DECODER
TO 1U-3757-1(4/7)

TDIHDMI
TMS
TMS
TCK
TCK
TDIVIDEO
SCL
SDA
IPRST
SCL
SDA
IPRST
IPOY9G7

TO
TO 1U-3757-1

7 8 9 10 11

A B C D E F G H

TDI→TDIVIDEO→TDIHDMI→TDIAUDIO→TDO			
BUS SWPLD	VIDEOPLD	HDMIPLD	AUDIOPLD
EPM570	EPM1240	EPM1240	LCMX0256
ALTIMA	ALTIMA	ALTIMA	ALTIMA

T.P

ST101 STYLE-PIN

TO 1U-3673-1 VIDEO REG.UNIT

TO 1U-3668-2 V.CONNECT UNIT

TO 1U-3668-2 V.CONNECT UNIT

TO 1U-3668-2 V.CONNECT UNIT

TO 1U-3668-2 V.CONNECT UNIT

TO 1U-3668-2 V.CONNECT UNIT

TO HDMI OUT
TO 1U-3757-1(3/7)

TO I/P
TO 1U-3757-1(5/7)

VIEW3

BUS SW SECTION(1/1)

SCHEMATIC DIAGRAMS (6/7)

1U-3757 D.VIDEO UNIT (6/7)
BUS SW SECTION(1/1)
(For ALL MODEL)

SCHEMATIC DIAGRAMS (7/7)

1 2 3 4 5 6

TO BUS SW
TO 1U-3757-1(6/7)
HDMI3.3V
DGND
DSDON
AMUTE
TCK
TMS
TDO
TDIAUDIO

TO HDMI1&2
TO 1U-3757-1(1/7)
DSDDL3 DSDDR3 DSDDL2 DSDDR2 DSDDL1 DSDDR1 DSDDL0 DSDDR0 DSDCLK
SPDIF SD3 SD2 SD1 SD0 LRCK BCK MCK MUTE1

TO HDMI3&4
TO 1U-3757-1(2/7)
DSDDL3 DSDDR3 DSDDL2 DSDDR2 DSDDL1 DSDDR1 DSDDL0 DSDDR0 DSDCLK
SPDIF SD3 SD2 SD1 SD0 LRCK BCK MCK MUTE2

TO HDMI OUT
TO 1U-3757-1(3/7)
SPDIF SD3 SD2 SD1 SD0 LRCK BCK MCK

C906 10/10(TA)
C905 CK0.1
SD1 SD2 SD3 SPDIF DSDCLK DSDDR0 DSDDL0 DSDDR1 DSDDL1
R901 1W 10K
TR901 KRC104S

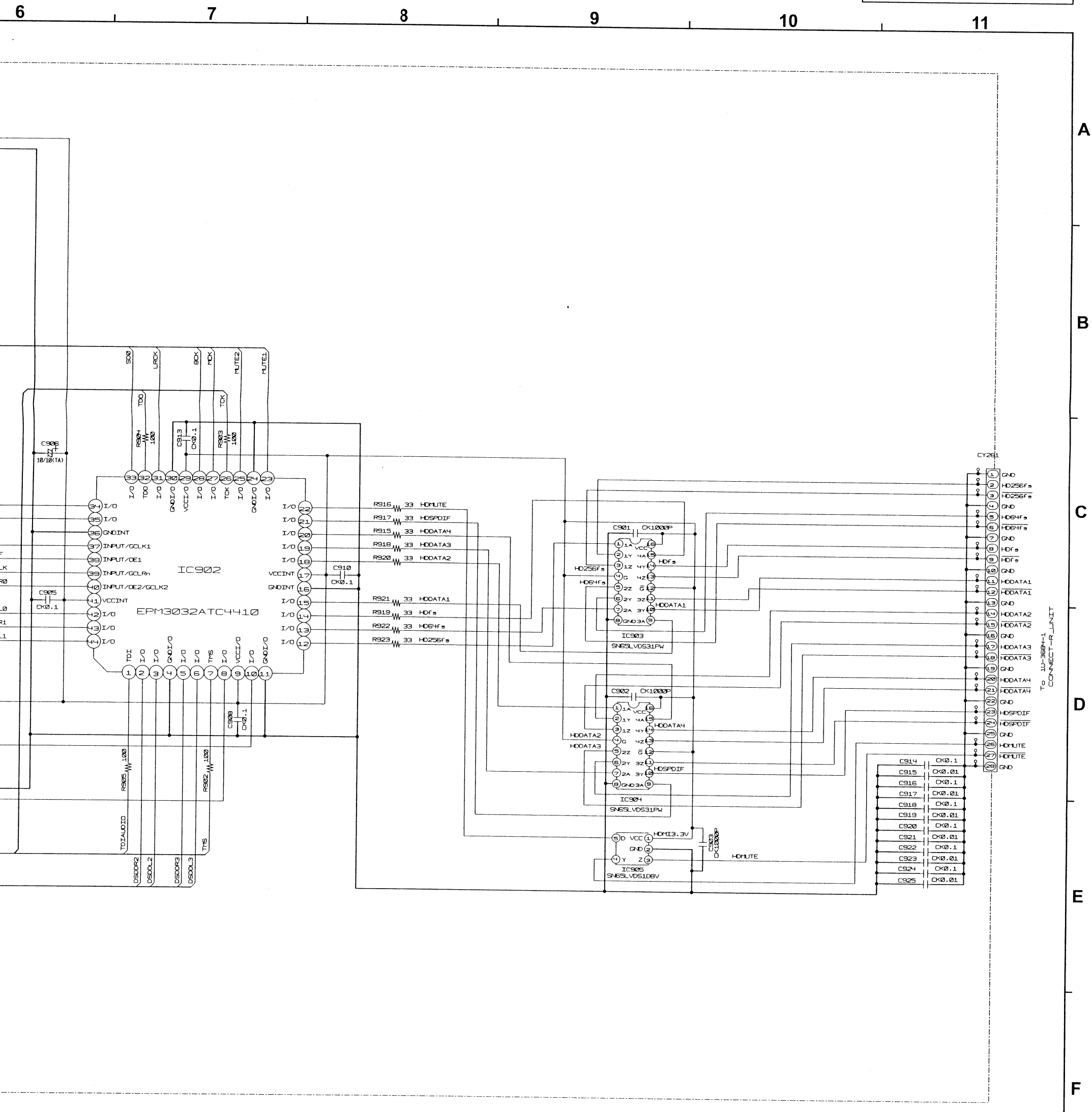
TO 1U-3757
TO VIDEO UNIT
CX751 5P-PH
IP3.3V IP3.3V GND GND V.POWER

R101 OPEN_R
C101 CK1000P
C102 CK0.01
D101 KDS160
C103 100/25(RE3)
IC101 NJM2396F33 OUT GND VO IN
R102 10K
R103 10K
TR101 KRC104S
TR102 KRC104S
R104 OPEN_R
C104 47/50(RE3)
IC102 NJM7806FA(S) OUT IN
C105 47/50(RE3)
R105 OPEN_R

CY644 4P-EH
V+REG VREGGND V-REG
TO 1U-3672-2
AMP SUPPLY UNIT

CX644 4P-EH
TO 1U-3673-1
VIDEO REG UNIT

1U-3784
IP_REG UNIT



AUDIO PLD SECTION

SCHEMATIC DIAGRAMS (7/7)

1U-3757 D.VIDEO UNIT (7/7)
AUDIO PLD SECTION(1/1)
1U-3784 IP REG. UNIT (1/1)
(For ALL MODEL)